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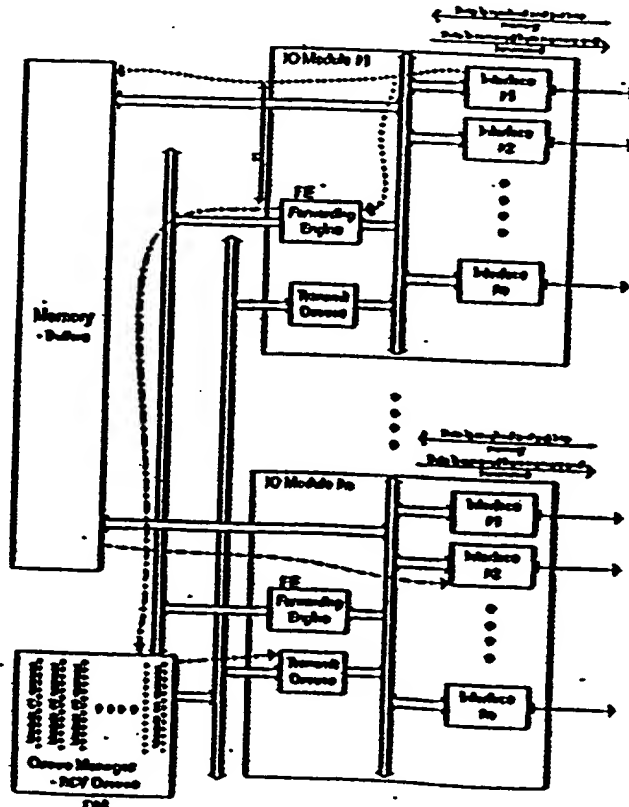
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**Title: NETWORKING SYSTEMS**

## Abstract

A novel networking architecture and technique for reducing system latency caused, at least in part, by contention for usage of common bus and memory resources, wherein a separate data processing and queue management forwarding engine and queue manager are added for each I/O module to process packet/cell of information and delivers queuing along a separate path that eliminates contention with other resources and varies from the transfer of packet/cell data into and the memory.



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